

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2011 Levee Inspection Results****Sacramento Maintenance Yard Willow Slough Bypass**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

Waterway			Bank	Unit Miles
Unit No. 01 Willow Slough Bypass or North Levee			Left	5.09
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/10/2011 - 3/10/2011			
DWR Inspector	John Williamson			
Accompanied By	Casey Lund Sac maint.			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee						Left	5.09	03/10/2011 03/10/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.00	0.15	Earthen Levee	Encroachments	LS	C	Landscaping Inspector Comments: City of Davis treatment plant	38.590755 ° -121.665485 °	38.590693 ° -121.668107 °	2
2	0.13	0.53	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 0.6 ft/s [2009 SiteID:WSB_0-7_L]	38.590517 ° -121.675117 °	38.590656 ° -121.667783 °	6
3	0.68	0.68	Earthen Levee	Vegetation	WS	A	Control annual grass and weeds on the levee slopes and easements.	38.590500 ° -121.677850 °	38.590500 ° -121.677850 °	1 Y
4	3.83	3.83	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	38.593238 ° -121.734411 °	38.593238 ° -121.734411 °	3 Y
5	4.16	4.63	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.597093 ° -121.737883 °	38.599857 ° -121.745158 °	4 Y

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	03/10/2011 03/10/2011	John Williamson

Levee Mile Report Line	3
Start Levee Mile	0.68
End Levee Mile	0.68
Location	Water Side
Category	Earthen Levee
Item	Vegetation

This the waterside view of Willow Slough.

johngw_s_20110310_351.jpg



Levee Mile Report Line	4
Start Levee Mile	3.83
End Levee Mile	3.83
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The landside upstream of County Road 102.

johngw_s_20110310_352.jpg



Levee Mile Report Line	5
Start Levee Mile	4.16
End Levee Mile	4.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

agricultural ditch across ramp at toe

johngw_s_20110228_300.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Willow Slough Bypass or North Levee	Left	5.09	03/10/2011 03/10/2011	John Williamson

Levee Mile Report Line	5
Start Levee Mile	4.16
End Levee Mile	4.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The aricultural ditch runs along the toe of the levee.

johngw_s_20110310_353.jpg



Levee Mile Report Line	5
Start Levee Mile	4.16
End Levee Mile	4.63
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Another view of the aricultural running along the toe of the levee.

johngw_s_20110310_354.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Sacramento Maintenance Yard Willow Slough Bypass

Waterway			Bank	Unit Miles
Unit No. 02 Willow Slough Bypass or South Levee			Right	7.37
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/10/2011 - 3/10/2011			
DWR Inspector	John Williamson			
Accompanied By	Casey Lund Sac maint.			

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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Signature of LMA Representative

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee						Right	7.37	03/10/2011 03/10/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.25	0.25	Earthen Levee	Vegetation	WS	A	Control annual grass and weeds on the levee slopes and easements.	38.599136 ° -121.748624 °	38.599136 ° -121.748624 °	4 Y
2	0.25	0.25	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	38.599135 ° -121.748624 °	38.599135 ° -121.748624 °	3 Y
3	1.71	1.71	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.589966 ° -121.727072 °	38.589966 ° -121.727072 °	8 Y
4	1.87	1.87	Earthen Levee	Encroachments	WS	A	Pipe	38.589760 ° -121.724205 °	38.589760 ° -121.724205 °	1 Y
5	1.97	1.97	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site.	38.589906 ° -121.722218 °	38.589906 ° -121.722218 °	5 Y
6	2.66	2.66	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: The erosion is starting to encroach into the toe road.	38.589714 ° -121.709456 °	38.589714 ° -121.709456 °	9 Y
7	2.90	2.90	Earthen Levee	Erosion / Bank Caving	WS	M	Note and monitor erosion site. Inspector Comments: The site has a discharge pipe and has begun eroding around the pipe. It is also eroding into the toe road.	38.589707 ° -121.705044 °	38.589707 ° -121.705044 °	10 Y
8	3.56	3.56	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: control structure Davis Drain block building	38.589657 ° -121.692850 °	38.589657 ° -121.692850 °	2 Y
9	6.71	6.84	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009: no berm, 2:1 slope, no stability issues, clays and silts, 0.2 ft/s [2009 SiteID:WSB_6-9_R]	38.578867 ° -121.647422 °	38.577028 ° -121.647233 °	7

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	03/10/2011 03/10/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The grasses on the waterside of Willow Slough.

johngw_s_20110310_355.jpg



Levee Mile Report Line	2
Start Levee Mile	0.25
End Levee Mile	0.25
Location	Land Side
Category	Earthen Levee
Item	Vegetation

This view is the landside grasses on the slope of Willow Slough.

johngw_s_20110310_356.jpg



Levee Mile Report Line	3
Start Levee Mile	1.71
End Levee Mile	1.71
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion on the south side of the levee channel is encroaching into the toe road.

johngw_s_20110228_304.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	03/10/2011 03/10/2011	John Williamson

Levee Mile Report Line	4
Start Levee Mile	1.87
End Levee Mile	1.87
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A pipe crossing thru the levee and blocking toe road.

johngw_s_20110228_301.jpg



Levee Mile Report Line	5
Start Levee Mile	1.97
End Levee Mile	1.97
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion on the south side bank of the channel is encroaching into the power pole and toe road.

johngw_s_20110228_303.jpg



Levee Mile Report Line	6
Start Levee Mile	2.66
End Levee Mile	2.66
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The erosion in the channel is starting to encroach into the toe road.

johngw_s_20110310_357.jpg



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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Sacramento Maintenance Yard Willow Slough Bypass

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Willow Slough Bypass or South Levee	Right	7.37	03/10/2011 03/10/2011	John Williamson

Levee Mile Report Line	7
Start Levee Mile	2.90
End Levee Mile	2.90
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

The slope around the discharge pipe is eroding the toe road. Rip rap could be placed around the pipe and resloped.

johngw_s_20110310_358.jpg



Levee Mile Report Line	8
Start Levee Mile	3.56
End Levee Mile	3.56
Location	Land Side
Category	Earthen Levee
Item	Encroachments

City of Davis pumping plant

johngw_s_20110228_302.jpg



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